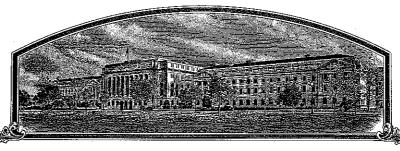
200500112

No.



THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

California Planting Cotton Seed Distributors

THECE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY TEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR APPORTUNG IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE YE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT ED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321

COTTON

'Cobalt Pima'

In Gestimonn Wherevi, I have hereunto set my hand and caused the seal of the Plant Pariety Frotection Office to be affixed at the City of Washington, D.C. this fourteenth day of February, in the year two thousand and six.

Attest:
Commissioner

Secretary of Agriculture

CAPACITY OR TITLE

DATE

28 Jan 2005

CAPACITY OR TITLE

Vice President, Director of R&D

DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filling fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

> **Plant Variety Protection Office** Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively:
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and

TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

Exhibit A. Origin and Breeding History - Cobalt Pima

Cobalt Pima is a variety of cotton developed from the cross OA304 x W402 made in 1993 at the CPCSD Cotton Research and Development Station, Shafter, California. The parents OA304 and W402 were developed for agronomic performance and adaptation to San Joaquin Valley soils. OA304 is owned by Olvey and Associates and has been assigned PVP number# 9500107. W402 is a breeding line owned by CPCSD was developed from SP9, a selection of Pima S-6 made in 1988 on Verticillium wilt infested soil in Tulare County, California. Pima S-6 was released by the United States Department of Agriculture, Agricultural Research Service, Maricopa, Arizona, Pima breeding program, and was developed from the cross 5934-23-2-6 x 5903-98-4-4. The background of these USDA Pima lines are detailed by Calhoun, D.S., D.T. Bowman, and O.L. May, 1994, Pedigree of Upland and Pima Cotton Cultivars Released Between 1970 and 1990, MAFES Bulletin 1017, Mississippi State University, MS 39762.

Details of Selection

Seed from the cross OA304 x W402 were planted in the 1994 CPCSD Pima nursery as an F_1 population and subsequently planted in 1995 and 1996 as an F_2 and F_3 rows, respectively. In 1997 the F_3 seed was planted as an F_4 population. A pedigree selection procedure (plant to row basis) followed as individual plants were selected on the basis of agronomic characteristics, yield potential, and fiber characteristics. This process continued until 1999 when F_7 seed from F_6 row W2251 was bulk harvested and entered into the 2000 CPCSD Pima testing program. The line W2251 was subsequently entered into the 2003 SJVCB Pima testing program as E303. In November 2004 E303 was renamed Cobalt Pima.

Variants and Stability

CPCSD Cobalt Pima is in its fifth season of evaluation, large scale testing and seed increase; no variants have been observed. In approximately thirty test locations the performance of Cobalt Pima has been uniform and stable.

Population Size for Selection

Population	Approximate Number of Individuals
F ₁	180
F ₂ - F ₄	2000
F ₅ - F ₆	60

Exhibit A. Origin and Breeding History - Cobalt Pima

<u>Year</u>		<u>Event</u>	<u>Generation</u>
1993	Cross: Pedigree:	OA304 x W402 OA304 = PVP# 9500107 W402 = SP9 = Pima S-6 selection	
1994	Increased as	s F1-167	F ₁
1995	F1-167 plant	ted as row W838	F ₂
1996	Row W838 p	planted as row W1300	F ₃
1997	Row W1300	planted as row W1540	F ₄
1998	Plant selection	on W1540-15 planted as row W1941	F ₅
1999		on W1941-10 planted as row W2251 lently bulk harvested as a progeny row	F ₆
2000	W2251 enter CPCSD Line	red into first evaluation stage: s Test	÷
2001		nced into second evaluation stage: iminary Strain Test	
2002		nced into third evaluation stage: anced Strain Test	
2003	W2251 enter as E303.	red into SJVCB Pima testing program as	· ·
2004	E303 continunamed Coba	led in SJVCB Pima testing program and It Pima	

Exhibit B. Statement of Distinctness - Cobalt Pima

The San Joaquin Valley (SJV) of California is a state regulated cotton district that requires Pima cotton varieties be evaluated by the San Joaquin Valley Cotton Board (SJVCB) in comparison with the SJV Pima Standard, Pima S-7. Cobalt Pima is most similar to Pima S-7.

The CPCSD Advanced Strain Test data from 2001, 2002 and 2003 are presented below for early foliar decline (EFD), seeds per boll, and percent lodged. These data show that Cobalt is a novel Pima cotton variety due to its lower EFD and percent lodging, and higher seeds per boll when compared to Pima S-7.

Table 1. CPCSD	Advanced Strain	Test Data	***************************************
	2001-03	2002-03	2003
	EFD	Seeds	Lodging
Variety	Rating	per Boll	Rating
	1=green 10=brown		% lodged
S-7	3.60	15.8	44.4
Cobalt Pima	2.07	17.7	9.9
LSD.05	0.52	1.3	11.2
CV%	30.3	13.7	4 6.2

U.S. DEPARTMENT OF AGRICULTURE PLANT VARIETY PROTECTION OFFICE, AMS, USDA NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 400 10301 BALTIMAORE Blvd. BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY COTTON (Gossypium spp.)

NAME OF APPLICANT(S)		TEMPORARY DES	SIGNATION	VARIETY NAM	ИΕ
California Planting Co	otton Seed Distributors	E303		Cobalt Pim	a
ADDRESS (Street and No., or PO Box 80357 Bakersfield, CA 9338	R.F.D. No., City, State, and ZIP Code	e		R OFFICIAL USE O PO NUMBER 2 0	O5 0 0 1 12
numerical measurements, shoul used to determine plant colors. SPECIFIC VARIETIES USED	describes the varietal characteristic of d represent those that are typical for the Characters marked with an asterisk * FOR COMPARISON AS CHECK V	the variety. Royal Horti indicate necessary char ARIETIES IN THIS A	acters to be measured.	or any recognized	color fan may be
77 1 1 70 07	e comparison varieties must be the m Variety 2.	-		/ariety 3	
*1. SPECIES:					
*2 ADE 4/\$\ OE ADADTATIO	G. hirsutum L. ON: (A=Adapted, NA= Not Adapted,		arbadense L.		·
Eastern Plains Other (Specify) 3. GENERAL: Characteristics v	Delta Weste : which are known to be variable but ar	ern A	Central Arizona ninful description	Black San Jo of the variety.	
	Cobalt Application Variety Co	S-7 mparison Variety 1	Comparison	Variety 2	Comparison Variety 3
Plant Habit: Spreading, Intermediate, Compact	I	I			
Foliage: Sparse, Intermediate, Dense	D	D			
Stem Lodging: Lodging, Intermediate, Erect	E	Е	<u> </u>		
Fruiting Branch: Clustered, Short, Normal	N	N			
Growth: Determinate, Intermediate, Indeterminate	Intermed	Intermed		· · · · · ·	
Leaf Color Greenish yellow, Light green, Medium green, Dark green	MG	MG			

*11. BOŁL	Cobalt	S-7	
Lint Percent: Yelcked Pulle	37.2	37.5	
OR			
Gin Turnout: X Picked Strip	pped 31.1	31.0	
Number of Seeds per Boll	16	14	
Grams Seed per Boll	3.4	3.5	
Number Locules per Boli			
Boll Type:	3	3	
(Stormproof, Storm Resistant, O	Open Open	Open	· · · · · · · · · · · · · · · · · · ·
12. FIBER PROPERTIES			
Specify Method (HVI or other):	Individual Instruments		
* Length: (inches, 2.5% SL)	1.378	1.390	
* Uniformity: (%)	48.2	47.9	
* Strength, T1 (g/tex) stelometer	35.1	35.5	
* Elongation, E1 (%)	8.9	7.9	·
* Micronaire:	4.05	3.95	
Fineness (Source)			
Yarn Tenacity: (cN/tex, 27 tex)	•		
Yarn Strength (lbs. 22's)	171	173	
13. DISEASES: (NT=Not Teste	d S: Suggestible MS-Modern	entally Suggestible MD-Mada	motely Project A. D. D. Griefensk
NT NT	Alternaria macrospora	<u>S</u>	Fusarium Wilt
NT	Anthracnose	<u>NT</u>	Phymatotrichum Root Rot
<u>NT</u>	Ascochyta Blight	NT	Pythium (specify species)
NT	Bacterial Blight (Race 1)	<u>NT</u>	Rhizoctonia solani
NT	Bacterial Blight (Race 2)	<u>NT</u>	Southwestern Cotton Rust
<u>NT</u>	Bacterial Blight (Race)	NT	Thielaviopsis basicola
<u>NT</u>	Diplodia Boll Rot	<u>MR</u>	Verticillium Wilt
<u>NT</u>	Other (specify)		

200500112

14. NEMATODES, INSECTS AND PESTS: (NT=Not tested, S=Susceptible, MS= Moderately Susceptible, MR=Moderately Resistant, R= Resistant

NT	Root-Knot Nematode	<u>NT</u>	Reniform Nematode
<u>NT</u>	Boll Weevil	NT	Grasshopper (specify species):
<u>NT</u>	Bollworm	NT	Lygus (specify species):
NT	Cotton Aphid	<u>NT</u>	Pink Bollworm
<u>NT</u>	Cotton Fleahopper	NT	Spider Mite (specify species):
<u>NT</u>	Cotton Leafworm	<u>NT</u>	Stink Bug
<u>NT</u>	Cutworm (specify species):	<u>NT</u>	Thrips (specify species):
NT	Fall Armyworm	<u>NT</u>	Tobacco Bud Worm
NT	Other (specify):		

^{15.} COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

Exhibit D. Additional Description of the Variety - Cobalt Pima

1	Adv	dvanced	SE	ain Test -	Five Local	tions			•												
Tild File Mic Str. Height Percent Index Index Resing Height Percent Index Index Resing Height Percent Index	Lint Gin Yield Turn 2.5%	Gin Turn 2.5%	2.5%		5	#				Yarn	Adj. Plant	ij	Ë	Seed	FFD	č	Lint	Seeds		3	· · · · · · · · · · · · · · · · · · ·
Glibez (%) Glibez (%) Glibez	Average Out length	Out length	length	Ì	inde	Ţ	Ξ.	ш	Mic	Sţ.	Height	Percent	index	Index	Rating	weight	<u> </u>	₹ <u>8</u>		Ratio.	Rafing
1	(in) (%) (la)	(m) (%)	(E)		1	- [(g/tex)	(%)		(g/tex)	(ju)	(%)	(6)	(B)	1=green 10=brown	9	(5)		1	cleafy 10≃clean	% kodged
1.0	3239 345 29.3 1.394 49.3 3555 1058 303 1.370 10.0	29.3 1.394	1.394		8.0	· .	38.5	ب د د	3.95	176	33.7	36.1	7.5	13.3	3.7	2.9	0.1	14.0	2.4	1.4	44.4
11 12 13 13 14 15 15 15 15 15 15 15	70 08 0.018	50.5	1.3/9		5.9	٦	8.78	D (4.05	173	35.3	35.9	7.3	13.1	2.1	3.2	1.2	16.0	2.5	5.3	6.6
Tilde Tild	2000	2000	5 7		5 7	.	- o		2.0	n !	2.9	9.0	0.3	4.0	0.5	0.2	0.1	1.0	9.0	0.7	11.2
T1 E1 Mic Str. Plant Lint Seed EFD Bolt Bolt Betting Retting Seed Seed EFD Bolt Bolt Betting Setting Seed S		- :	<u>-</u>		2		N N	7 !	- n	<u>}</u>	r:/	3.5	ත ෆ	3.2	21.3	5.6	6.1	ഹ	17.0	13.6	46.2
T1 E1 Mic Str. Plant Lint Seed EFD Boll Per Per Maturity	Table 3, 2002 CPCSD Advanced Strain Test - Six Locations	Ivanced Strain Test - Six Locations	ain Test - Six Locations	Six Locations	Suc																
T1 E1 Mic Str. Height Percent index Index Reting weight boil Boil Reting (giftex) (%) 36.7 9.4 3.92 188 37.4 88.4 13.0 2.8 3.9 1.8 13.0 1.5 1.4 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.5 1.4 13.0 1.4 1	Seed Lint Gin	Lint Gin	Gin		2						Αdi						-	į			
Fig. Mic Sit. Height Parent Index Rating weight Politic Po	1 Yield Turn 2.5%	Turn 2.5%	2.5%		Unif.					Yam	Plant.	į	Ė	7000		- T	Ĕ ;	Seeds			
(g/lex) (%) (g/lex) (in) (%) (g) (g) <t< td=""><td>Average Out length</td><td>Out length</td><td>length</td><td>İ</td><td>index</td><td></td><td>T1</td><td>E1</td><td>Mic</td><td>Str</td><td>Height</td><td>Percent</td><td>index</td><td>ludex</td><td>Ratino</td><td>weight</td><td><u> </u></td><td>pe E</td><td>Maturity</td><td>Defol. Pating</td><td></td></t<>	Average Out length	Out length	length	İ	index		T1	E1	Mic	Str	Height	Percent	index	ludex	Ratino	weight	<u> </u>	pe E	Maturity	Defol. Pating	
36.7 94 3.92 188 37.4 38.4 8.1 13.0 3.6 3.7 14 17.6 2.3 8.1 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	(lbs/A) (%) (in)	(ui) (%)	(u)				(a/tex)	(%)		(g/tex)	(E)	(%)	(<u>6</u>	(6)	1=green	(e)	3	5	rearly 10=late 1	leafy 10=clean	
356.1 9.6 3.89 183 38.0 37.3 7.7 13.0 2.3 4.0 1.5 19.4 2.8 4.3 5.5 4.4 2.2 5.6 1.4 3.9 3.9 23.6 9.3 9.1 17 0.7 4.3 5.5 4.4 2.2 5.6 1.4 3.9 3.9 23.6 9.3 9.1 10.1 74	1.418	31.2 1.418	1.418		47.40	Ī	36.7	9.4	3.92	188	37.4	38.4	8.1	13.0	3.6	3.7	3 7	17.6	,	000	
0.9 0.5 0.13 5 2.4 0.6 0.3 0.5 0.7 0.4 0.1 1.7 0.7 0.7 0.4 0.1 1.7 0.7 0.7 0.4 0.1 1.7 0.7 0.7 0.8 0.5 0.5 0.5 0.7 0.4 0.1 1.7 0.7 0.7 0.7 0.4 0.1 1.7 0.7 0.7 0.7 0.8 0.7 0.4 0.1 1.7 0.7 0.7 0.7 0.8 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1283 30.6 1.436	30.6 1.436	1.436		48.50		36.1	9.6	3.89	183	38.0	37.3	7.7	13.0	23	. 0	. t.	2.0	2 6	, c	
4.3 5.5 4.4 2.2 5.6 1.4 3.9 3.9 23.6 9.3 9.1 18.1 T1 E1 Mic Sir. Height Percent Index Index (9) Height Percent Index (9) Height Percent Index (9) Height Percent Index (10) Height Per		0.8 0.023	0.023		1.10		6.0	0.5	0.13	2	2.4	9.0	0.3	0.5	0.7	0.4	0.1	17	0.7	7 B	
Adj. Yam Plant Lint Seed EFD Boll Lint (g/lex) (%) (g/lex) (g	6.9 2.1 1.9	2.1 1.9	6 .		2.9		4. &	5.5	4.4	2.2	5.6	1.4	3.9	3.9	23.6	6.0	9.	. 6. 1.	18.1	14.8	
T1 E1 Mic Str. Height Percent index Rating Meight Str. Height Percent index Rating Meight Str. Height Percent index Rating Meight Str. Height Percent Mex. Rating Meight Str. Height																					
T1 E1 Mic Str. Height Percent index Index Rating weight (g/fex) (%)	Preliminary Str	eliminary Strain Test - Three Locations	train Test - Three Locations	- Three Locations	cations																
T1 E1 Mic Str. Height Percent index Rating weight (g/tex) (%)	7 mil 25%	Tim 25%	25%		ig					2	¥ di	1	1	-	į	;	:				
(g/tex) (%) (g/tex) (in) (%) (in) (%) (in) (%) (in) (%) (in) (in) (%) (in) (in) <th< td=""><td>Average Out length</td><td>Out length</td><td>length</td><td></td><td>index</td><td></td><td>F</td><td>'n</td><td>Σ</td><td>. t</td><td>T Ide</td><td>Percent</td><td>index</td><td>seed Index</td><td>17.0 2.0</td><td> 10 m</td><td><u>.</u></td><td></td><td></td><td></td><td></td></th<>	Average Out length	Out length	length		index		F	'n	Σ	. t	T Ide	Percent	index	seed Index	17.0 2.0	10 m	<u>.</u>				
33.6 8.3 4.00 172 40.5 38.0 7.9 13.0 1091com 3.7 34.8 8.4 4.19 173 40.0 37.5 7.7 12.8 1.8 3.6 3.7 3.4 3.4 4.1 2.2 9.7 1.5 3.2 25.2 9.1 1.1 E1 Mic Sit. (gitex) (%) (gitex) (%) (gitex) 3.7 178 3.7 1.8 3.6 3.2 3.2 25.2 9.1 3.2 3.2 3.2 25.2 9.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	(lbs/A) (%) (in)	(ui) (%)	(ii)				(g/tex)	(%)		(g/tex)	(iii)	(%)	(D)	(0)	1=green	1 (D)					
34.8 8.4 4.19 173 40.0 37.5 7.7 12.8 1.8 3.6 2.0 0.5 0.29 7 5.0 1.0 0.4 0.7 0.5 0.6 3.4 4.1 2.2 9.7 1.5 3.2 25.2 9.1 T1 E1 Mic Str. (g/tex) (%) (g/tex) 3.2 1.8 32.9 0.9 0.43 6 5.3 9.9 6.91 3.7	1403 32.3 1.363	32.3 1.363	1.363	l	46.9		33.6	8.3	4.00	172	40.5	38.0	5 2	13.0	10=brown 3. 5.	37					
2.0 0.5 0.29 7 5.0 1.0 0.4 0.7 0.5 0.6 3.4 3.4 4.1 2.2 9.7 1.5 3.2 2.5 2 9.1 T1 E1 Mic Str. (g/tex) (%) (g/tex) 32.9 6.3 4.00 180 30.5 7.4 3.75 178 5.3 9.9 6.91 3.7	1501 31.9 1.339	31.9 1.339	1.339		46	20	34.8	8.4	4.19	173	40.0	37.5	7.7	12.8	, c	- e	ŗ ø				
3.4 3.4 4.1 2.2 9.7 1.5 3.2 25.2 9.1 Yarn T1 E1 Mic Str. (g/fex) (%) (g/fex) 32.9 6.3 4.00 180 30.5 7.4 3.75 178 2.9 0.9 0.43 6 5.3 9.9 6.91 3.7		0.8 0.032	0.032		1.6	0	2.0	0.5	0.29	7	5.0	1.0	4.0	0.7	0.5	90	200				
T1 E1 Mic (g/fex) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	7.4 1.5 1.3	1.5	.		2.0		4.6	3.4	4.	2.2	9.7	1.5	3.2	3.2	25.2	9.1	9.6				
T1 E1 Mic (g/tex) (%) (%) 32.9 6.3 4.00 30.5 7.4 3.75 2.9 0.9 0.43 5.3 9.9 6.91			,																		
E1 Mic (%) (%) 6.3 4.00 7.4 3.75 0.9 0.43 9.9 6.91	Table 5, 2000 CPCSD Lines Test - Two Locations	nes Test - Two Locations	wo Locations	ons																	
(%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	%	%	%	%	Inif					Yar.											
(%) 6.3 4.00 7.4 3.75 0.9 0.43 9.9 6.91	: ∓	: ∓	: ∓	: ∓	index		Σ	ш	Mic	<u> </u>											
6.3 4.00 7.4 3.75 0.9 0.43 9.9 6.91							(a/tex)	(%)		(a/tex)											
30.5 7.4 3.75 2.9 0.9 0.43 5.3 9.9 6.91	1354 31.4 1.373	31.4 1.373	1.373		4	2	32.9	6.3	4 00	180											
2.9 0.9 0.43 5.3 9.9 6.91	1425 30.3 1.358	30.3 1.358	1.358		ú	2	30.5	7.4	3.75	178											
5.3 9.9 6.91	1.8 0.058	1.8 0.058	0.058		`	2	2.9	6.0	0.43	9											
					ო	÷	5.3	ල ල	6.91	3.7											

REPRODUCE LOCALLY. Include form number and edition date on al	I reproductions.	FORM APPROVED - OMB No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to de certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued.	421). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
• •	OR EXPERIMENTAL NUMBER	3. VARIETT NAME
California Planting Cotton Seed Distributors	E303	Cobalt Pima
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
PO Box 80357	(661) 399-1400	(661) 399-3169
Bakersfield, CA 93380-0357	(001) 355-1400	(001) 355-3105
	7. PVPO NUMBER	20050011
8. Does the applicant own all rights to the variety? Mark an "X" in the	e appropriate block. If no, please expla	ain. X YES NO
9. Is the applicant (individual or company) a U.S. national or a U.S. b	pased company? If no, give name of c	ountry. X YES NO
10. Is the applicant the original owner?	NO If no, please answer one	of the following:
a. If the original rights to variety were owned by individual(s), is (YES b. If the original rights to variety were owned by a company(ies) YES	NO If no, give name of count	sed company?
11. Additional explanation on ownership (Trace ownership from origin	nal breeder to current owner. Use the r	everse for extra space if needed):
The applicant is the original breeder and current owner or	f the variety, thus an ownership tra	ce is not necessary.
The variety was developed from germplasm and seedstoc applicant, at facilities owned by the applicant, or through	cks owned by the applicant, by indiction according to the contractual arrangements made by	viduals employed by the the the applicant.
PLEASE NOTE:	777744	
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:	
 If the rights to the variety are owned by the original breeder, that penaltonal of a country which affords similar protection to nationals of 	erson must be a U.S. national, national f the U.S. for the same genus and spec	of a UPOV member country, or ies.
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.	yed the original breeder(s), the compan- country which affords similar protection	y must be U.S. based, owned by to nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must n	neet one of the above criteria.
The original breeder/owner may be the individual or company who dir Act for definitions.		
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, control number. The valid OMB control number for this information collection is 0581-0055, including the time for reviewing the instructions, searching existing data sources, gathering a	The time required to complete this information colle-	ction is estimated to average 0.1 hour per response,

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).